

CLAIMS

1. A method for manipulating at least one audio file via a graphical user interface comprising:
 - displaying a timeline component having a set of time points indicative of a duration of an audio file;
 - displaying a waveform component having graphic elements that visually represent characteristics of said audio file over said duration;
 - obtaining input to said timeline component where said input identifies a first time point and a second time point of said set of time points;
 - generating a selection overlay comprising an area of said timeline component and said waveform component that falls between said first time point and said second time point.
2. The method of claim 1, wherein said characteristics of said audio file is amplitude.
3. The method of claim 1, wherein said area of said selection overlay is highlighted.

4. The method of claim 1, wherein said set of time points represents intervals of time.

5. The method of claim 1 further comprising:
generating a visual representation on said timeline component and said waveform component upon receiving said input to said timeline component.

6. The method of claim 5, wherein said visual representation indicates a start point of said selection overlay.

7. The method of claim 5, wherein said visual representation indicates an end point of said selection overlay.

8. The method of claim 5 further comprising:
performing at least one special function to said area of said audio file associated with said selection overlay.

9. The method of claim 8, wherein said at least one special function comprises a copy operation.

10. The method of claim 9, wherein said copy operation comprises generating a new instance of said area within said selection overlay.

11. The method of claim 10, wherein said new instance comprises a second timeline component and a second waveform component comprising a portion of said audio data associated with said area within said selection overlay.

12. A method for manipulating at least one audio file via a graphical user interface comprising:

displaying a timeline component having a set of time points indicative of a duration of an audio file;

displaying a first waveform component having graphic elements that visually represent characteristics of said audio file over said duration;

displaying a graphical adjustable element that visually represents a parameter component of said audio file over said duration;

obtaining an adjustment input on said graphical adjustable element representing said parameter component;

modifying said parameter component in said audio file in accordance with said adjustment input on said graphical adjustable element.

13. The method of claim 12, wherein said characteristics of said audio file is amplitude.

14. The method of claim 12, wherein said graphical adjustable element is a line.

15. The method of claim 12, wherein said parameter component is volume of said audio file during playback.

16. The method of claim 12, wherein said parameter component is pan level of said audio file during playback.

17. The method of claim 12, wherein said adjustment input comprises using an input device to click on a first point on said graphical adjustable element and dragging said first point to a desired adjustment level.

18. The method of claim 17, wherein said desired adjustment level is a second point above said first point.

19. The method of claim 17, wherein said desired adjustment level is a second point below said first point.

20. A graphical user interface for manipulating at least one audio file comprising:

a first element displaying a timeline component having a set of time points indicative of a duration of an audio file;

a second element displaying a waveform component that visually represent characteristics of said audio file over said duration;

a third element for obtaining user input to said timeline component where said input identifies a first time point and a second time point of said set of time points;

a fourth element indicating a selection overlay comprising an area of said timeline component and said waveform component that falls between said first time point and said second time point.

21. The graphical user interface of claim 20, wherein said characteristics of said audio file is amplitude.

22. The graphical user interface of claim 20, wherein said area of said selection overlay is highlighted.

23. The graphical user interface of claim 20, wherein said set of time points represents intervals of time.

24. The graphical user interface of claim 20 further comprising:
a fifth element providing a visual representation on said timeline component and said waveform component upon receiving said input to said timeline component.

25. The graphical user interface of claim 24, wherein said visual representation indicates a start point of said selection overlay.

26. The graphical user interface of claim 24, wherein said visual representation indicates an end point of said selection overlay.

27. The graphical user interface of claim 24 further comprising:
means for performing at least one special function to said area of said audio file associated with said selection overlay.

28. The graphical user interface of claim 27, wherein said at least one special function comprises a copy operation.

29. The graphical user interface of claim 28, wherein said copy operation comprises generating a new instance of said area within said selection overlay.

30. The graphical user interface of claim 29, wherein said new instance comprises a second timeline component and a second waveform component comprising a portion of said audio data associated with said area within said selection overlay.

31. A graphical user interface for manipulating at least one audio file comprising:

- a first element displaying a timeline component having a set of time points indicative of a duration of an audio file;

- a second element displaying a first waveform component having graphic elements that visually represent characteristics of said audio file over said duration;

- a third element displaying a graphical adjustable element that visually represents a parameter component of said audio file over said duration;

- a fourth element for obtaining an adjustment input on said graphical adjustable element representing said parameter component, wherein said parameter component in said audio file is modified in accordance with said adjustment input on said graphical adjustable element.

32. The graphical user interface of claim 31, wherein said characteristics of said audio file is amplitude.

33. The graphical user interface of claim 31, wherein said graphical adjustable element is a line.

34. The graphical user interface of claim 31, wherein said parameter component is volume of said audio file during playback.

35. The graphical user interface of claim 31, wherein said parameter component is pan level of said audio file during playback.

36. The graphical user interface of claim 31, wherein said adjustment input comprises using an input device to click on a first point on said graphical adjustable element and dragging said first point to a desired adjustment level.

37. The graphical user interface of claim 36, wherein said desired adjustment level is a second point above said first point.

38. The graphical user interface of claim 36, wherein said desired adjustment level is a second point below said first point.